

BOROUGH OF LLANELLI



ANNUAL REPORT

of the

Medical Officer of Health

Dr. E. H. BEYNON HOPKINS

M.R.C.S. (Eng.), L.R.C.P. (London), D.P.H.

for the Year ended 31st December, 1967



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BOROUGH OF LLANELLI
HEALTH AND HOUSING COMMITTEES
(as at 31st December, 1967)

Meetings - 3rd Monday in each month at 6. 30 p. m.

Chairmen:

Alderman D.D. Williams, Deputy Mayor (Health Committee).

Alderman W.C.U. Griffiths (Housing Committee).

Members:

Alderman Harry Morris, J.P.

Alderman J.H. Williams, J.P.

Alderman W.J. Thomas.

Councillor Harold J. Thomas (Vice-Chairman).

Councillor Gwilym Thomas.

Councillor W. Mathonwy Jones.

Ex-officio Member:

The Mayor, Alderman D.R. Williams, J.P.

Co-opted Members:

Mrs. E. Beynon.

Mrs. Dorothy Evans.

Mrs. S.D.M. Hughes.

Mrs. M. Phillips.

PUBLIC HEALTH DEPARTMENT STAFF

Medical Officer of Health:

Dr. E. H. BEYNON-HOPKINS, M.R.C.S., L.R.C.P., D.P.H.

Chief Public Health Inspector and Inspector of Meat and other Foods:

D. H. FRANCIS, M.A.P.H.I.

District Public Health Inspectors:

P. H. DANIEL

D.C. HOWELLS, M.R.S.H., Inspector of Meat and
other Foods

K. E. ALFORD, M.R.S.H., M.A.P.H.I., M.R.P.A.,
Inspector of Meat and other Foods
(appointed 2nd January, 1967)

Departmental Clerk:

W. T. REES

General Clerk:

Miss M. M. WILLIAMS

Public Health Inspectors' Assistant:

A. W. TOFT

Rodent Control Operator:

W. H. GRIFFITHS

REPORT OF THE MEDICAL OFFICER OF HEALTH
FOR THE YEAR 1967

To the Mayor, Aldermen and Councillors of the Borough of Llanelli.

I beg to submit my Report for the year 1967 on the health administration of the Borough.

In doing so, I would like to thank the Mayor, Aldermen and Councillors for their assistance and kindness during the year. I wish also to thank my staff for their unfailing assistance and devotion to duty.

I am,

Mr. Mayor and Gentlemen,

Your obedient servant,

E. H. B. HOPKINS,

Medical Officer of Health.

Public Health Department,
94 Queen Victoria Road,
Llanelli.

SUMMARY OF VITAL AND MORTAL STATISTICS

FOR THE YEAR 1967

Area of Borough	2,069 acres
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Ward 1	...	534 acres
Ward 2	...	733 acres
Ward 3	...	802 acres

Population (1961 Census)	29,979
Population (Registrar General's Estimated mid year 1967)	...	...	28,310
Density (Person per acre)	...	...	13.68
Dwelling Houses in Borough inhabited at end of 1967	...	...	9,321
Rateable Value	...	...	£1,053,120
Product of a Penny Rate (estimated)	...	...	£4,000

Deaths:

Male	223	Female	212	Total	435
Rate per 1,000 population	...	...	...	Crude Rate	15.37
				Adjusted Rate	13.53

Deaths (65 and over):

Male	147	Female	168	Total	315
------	-----	--------	-----	-------	-----

Live Births:

Male	183	Female	165	Total	348
Rate per 1,000 population	...	...	...	Crude Rate	12.26
				Adjusted Rate	13.73

Illegitimate Live Births:

Male	11	Female	8	Total	19
Illegitimate Live Births % of total Live Births					5.46

Stillbirths:

Male	3	Female	1	Total	4
Rate per 1,000 total live and stillbirths	...	...	...		11.36

Illegitimate Stillbirths:

Male	1	Female	Nil	Total	1
Illegitimate Stillbirths % of total Stillbirths		25.0

Total Live and Stillbirths		352
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Infant Deaths (deaths under 1 year):

Male	3	Female	2	Total	5
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Illegitimate Infant Deaths (deaths under 1 year):

Male	Nil	Female	Nil	Total	Nil
Illegitimate Infant Deaths % of total Infant Deaths					Nil

Infant Mortality Rates:

Total Infant Deaths per 1,000 total live births	...	14.37
Legitimate Infant Deaths per 1,000 legitimate live births	...	15.2
Illegitimate Infant Deaths per 1,000 illegitimate live births	...	Nil

Neo-Natal Mortality (deaths under 4 weeks):

Male	2	Female	2	Total	4
Rate per 1,000 total live births	...	...	...	...	11.49

Early Neo-Natal Mortality (deaths under 1 week):

Male	2	Female	2	Total	4
Rate per 1,000 total live births	...	...	...	...	11.49

Perinatal Mortality (Stillbirths and Deaths of Infants under 1 week):

Male	5	Female	3	Total	8
Rate per 1,000 total live and still births	...	...	...	...	22.73

Perinatal Mortality Rate for England and Wales:

England and Wales:

1961	...	...	...	62.1
1967	...	...	...	25.4

Maternal Mortality (including abortion):

Number of deaths	...	...	...	Nil
Rate per 1,000 total live and stillbirths	...	...	...	Nil

Rate per 1,000 of Estimated Population:

			Crude Rate	Adjusted Rate	Rate for England and Wales
Live Births	...	...	12.26	13.73	17.2
Deaths	...	...	15.37	13.53	11.2
Rate of Stillbirths per 1,000 Live and Stillbirths	...	...	11.36		14.8
Infant Mortality rate per 1,000 Live Births	...	...	14.37		18.3

Year 1967	Maternal Mortality Rate per 1,000 total births	Infant Mortality Rate per 1,000 live births	Still Birth Rate per 1,000 births	Neonatal Mortality Rate per 1,000 re- lated live births	Illegitimacy Rate per 1,000 total live births
Llanelli	Nil	14.37	11.36	11.49	54.6
England and Wales	.2	18.3	14.8	12.5	84.0

Live Births:

348 live births were registered giving an adjusted birth rate of 13.73, as compared with 14.0 for 1966 and 13.97 for 1965.

The illegitimacy rate was 54.6 per 1,000 live births as compared with 55.71 for the previous year, and a rate of 84.0 for England and Wales.

Stillbirths:

4 stillbirths were registered for 1967 as compared with 6 for 1966 and 7 for 1965.

There was one illegitimate stillbirth during the year.

Infant Mortality:

There were 5 deaths of infants under one year of age in 1967 compared with 4 for 1966 and 12 for 1965. Of these, 4 were neonatal deaths compared with 2 for 1966 and 8 for 1965.

The causes of death of children under one year of age during 1967 were as follows:-

	Cause of death	Age at death	Place of Death
1.	Prematurity Asphyxia Neonatorum Respiratory Disease Syndrome	9 hours	Hospital
2.	Asphyxia Neonatorum Congenital cyanotic heart disease	1 day	Hospital
3.	Prematurity	1 month	Hospital
4.	Asphyxia Neonatorum Cerebral Haemorrhage	2 days	Hospital
5.	Prematurity	8 hours	Hospital

The infantile mortality rates per 1,000 live births for the last 4 years were as follows:- 14.37 for 1967; 11.14 for 1966; 33.06 for 1965; 33.09 for 1964.

BIENNIAL STATISTICS SINCE 1949/50

Year	A Still Births	B Infant Mortality	C Neonatal Deaths	Totals of A and B	Totals of A and B	Maternal Deaths
1949) 1959)	32	30	18	62	50	2
1951) 1952)	25	24	15	49	40	1
1953) 1954)	24	25	20	49	44	1
1955) 1956)	27	18	12	45	39	-
1957) 1958)	21	16	12	37	33	1
1958) 1959)	21	21	18	42	39	1
1959) 1960)	17	27	21	44	38	-
1960) 1961)	18	24	19	42	37	-
1961) 1962)	20	21	16	41	36	-
1962) 1963)	22	28	20	50	42	-
1963) 1964)	21	27	18	48	39	1
1964) 1965)	16	25	15	41	31	-
1965) 1966)	13	16	10	29	23	-
1966) 1967)	10	9	6	19	16	-

CAUSES OF DEATH IN LLANELLI BOROUGH DURING 1967

(Registrar-General's Statistics)

Cause of death	Male	Female	Total
1. Tuberculosis, Respiratory ...	1	2	3
2. Tuberculosis, Other ...	-	1	1
9. Other Infective and Parasitic Diseases	1	-	1
10. Malignant Neoplasm, Stomach ...	7	10	17
11. Malignant Neoplasm, Lung, Bronchus ...	23	3	26
12. Malignant Neoplasm, Breast ...	-	11	11
13. Malignant Neoplasm, Uterus ...	-	4	4
14. Other Malignant and Lymphatic Neoplasm	20	24	44
15. Leukaemia, Aleukaemia ...	1	-	1
16. Diabetes ...	2	5	7
17. Vascular Lesions of Nervous System ...	33	40	73
18. Coronary Disease, Angina ...	59	40	99
19. Hypertension with Heart Disease ...	2	9	11
20. Other Heart Disease ...	15	23	38
21. Other Circulatory Disease ...	6	10	16
23. Pneumonia ...	5	7	12
24. Bronchitis ...	11	1	12
25. Other Diseases of Respiratory System ...	7	2	9
26. Ulcer of Stomach and Duodenum ...	1	-	1
27. Gastritis, Enteritis and Diarrhoea ...	-	2	2
28. Nephritis and Nephrosis ...	-	2	2
29. Hyperplasia of Prostate ...	3	-	3
31. Congenital Malformations ...	-	1	1
32. Other Defined and Ill-defined Diseases	15	9	24
33. Motor Vehicle Accidents ...	3	-	3
34. All Other Accidents ...	8	5	13
36. Homicide and Operations of War ...	-	1	1
Total All Causes ...	223	212	435

The main causes of death in the Borough during 1967 compared with 1966 were as follows:-

	1967		1966	
		% of total deaths		% of total deaths
1. Cardiovascular conditions	237	54.48%	272	57.02%
2. Cancers of various kinds	103	23.68%	96	20.13%
3. Respiratory diseases (excluding Tuberculosis and Cancer)	33	7.59%	47	9.85%
4. Accidents	16	3.68%	9	1.89%

There was an increase in Accidental Deaths in the Borough - 16 in number, as compared with 9 accidental deaths for the previous year. 6 of these deaths were in the age group 65 years and over being results of falls at their homes, chronic sick hospitals, and one fall in a shop. The other ten accidental deaths were caused by:-

- (i) Falls and injuries at work 3
- (ii) Barbiturate Poisoning 4
- (iii) Motor Vehicle Accidents 3

The Home Help Service, even performing much useful work in the performance of essential duties of the household, leaves much to be accomplished in the way of other needs of the aged and chronic sick. There is still considerable scope for voluntary work in this sphere.

Deaths in the Borough exceeded births by 87. This excess of deaths over births has been the pattern for the Borough for the last ten years.

Cancer:

Cancer deaths increased from 96 in 1966 to 103 in 1967. There was an increase in deaths from Cancer of the Stomach, Cancer of the Breast and Other Malignant and Lymphatic Neoplasm. Deaths from Cancer of the Lung, Bronchus, and Uterus decreased as compared with 1966.

There were 23 male deaths due to cancer of the lungs, bronchus as compared with 28 for 1966. There were 3 female deaths due to lung cancer, as compared with 1 for the previous year.

Comparative figures for cancer deaths are as follows:-

	Llanelli			England and Wales		
	No. of deaths		Rate per 1,000 population M. and F.	No. of deaths		Rate (Provisional) per 1,000 population
	M.	F.		M.	F.	
Cancer of Lung and Bronchus ...	23	3	.92	23,546	4,704	.58
Other Cancers ...	28	49	2.72	36,075	45,730	1.69

CANCER DEATHS, 1950 - 1967

Year	Lung and Bronchus	Other Cancers	Total
1950	15	76	91
1951	7	73	80
1952	8	55	63
1953	16	83	99
1954	13	91	104
1955	21	70	91
1956	19	82	101
1957	14	75	89
1958	21	76	97
1959	26	54	80
1960	18	67	85
1961	11	50	61
1962	11	51	62
1963	21	56	77
1964	15	66	81
1965	11	69	80
1966	29	67	96
1967	26	77	103
Total for 18 years.	302	1238	1540
Average number of cancer deaths per year during past 18 years	16.78	68.78	85.56

There were 11 deaths due to cancer of the breast, 4 due to cancers of the uterus, and 17 due to cancer of the stomach.

I must remind the public that increasing knowledge has demonstrated how the risk of contracting cancerous diseases can be reduced - mainly by the elimination of or avoidance of cancerous irritants. It is hoped that films demonstrating the importance of early diagnosis and treatment of such cancers as those of the breast and uterus to womens organisations in the area will result in a reduction of mortality figures attributed to these diseases.

Diphtheria:

No cases of diphtheria were notified in the Borough during the year.

Diphtheria Immunisation:

It is pleasing to report, for the first time since 1962, a big increase in the numbers of children immunised against this disease, the total number immunised being 381. 282 of these children were in the age group 0 - 5 years as compared with 208 in 1966. No relaxation can be afforded in making young parents aware of the very great dangers and high death rate from this disease in the not so far distant past. It is my sincere hope that, not only will this level of immunisation be maintained in the Borough but, even more children will be immunised, as it is only by maintaining a high level of immunisation in the population that outbreaks of diphtheria can be avoided.

Immunisation figures in Llanelli Borough from 1954/1967:-

Year	Ages in Years		Boosters	Total	No. of immunisations in ages 0 - 5 years as percentages of total live births
	0 - 5	5 - 15			
1954	282	54	461	797	66.83
1955	238	5	9	252	60.41
1956	282	5	5	292	70.68
1957	213	1	3	217	53.92
1958	219	3	2	224	54.07
1959	246	4	-	250	63.24
1960	244	6	-	250	61.46
1961	383	80	132	595	99.74
1962	406	9	20	435	95.59
1963	222	1	3	226	53.62
1964	229	4	61	294	53.01
1965	222	2	53	277	61.16
1966	208	-	73	281	57.94
1967	282	17	82	381	81.03

The importance of immunisation is shown from the figures for deaths from, and notifications of Diphtheria in England and Wales since 1948:-

Year	Notifications	Deaths
1948	3375	156
1949	1890	84
1950	962	49
1951	664	33
1952	376	32
1953	266	23
1954	173	9
1955	155	13
1956	53	8
1957	43	6
1958	61	7
1959	103	-
1960	52	5
1961	53	10
1962	16	2
1963	33	2
1964	20	-
1965	25	-
1966	19	5
1967	4	-

Smallpox:

No case of Smallpox was notified during the year. Details of vaccination for the whole County were as follows:-

Age at date of Vaccination	Number Vaccinated	Number Re-vaccinated
Under 1	127	-
1	698	-
2 - 4	264	10
5 - 14	84	157
15 or over	7	51

Poliomyelitis:

No case of poliomyelitis was notified during the year.

The following are the vaccination figures for the whole of the County:-

Age Groups	Number of persons who have received 3 doses of oral vaccine
Children born 1967	315
Children born 1966	1185
Children born 1965	324
Children born 1964	102
Children born 1960 - 1963	237
Others under 16 years	65
Total	2228

Number of persons given reinforcing dose of oral vaccine

91

Scarlet Fever:

One case, a female aged 2 years was notified during the year. There was only one case also in 1966.

Whooping Cough:

Twenty-three cases of Whooping Cough were notified in the Borough during the year - 6 males and 17 females. There were no cases notified in 1966. The number of children, under five years of age, vaccinated against Whooping Cough in the Borough totalled 284.

Measles:

Two hundred and ninety eight cases of Measles were notified during the year, one hundred and fifty four females and one hundred and forty four males. One hundred and sixteen of these cases were in the age group 5 - 9 years. There were 118 cases notified in 1966 and 98 cases in 1965.

Meningococcal Infection:

No cases were notified in the Borough during the year.

Erysipelas:

One case was notified in the Borough during the year.

Dysentery:

Eleven cases of Dysentery were notified during the year, being the same number notified for the previous year. All the cases were investigated. Faeces samples from all the notified cases and immediate contacts were sent to the Public Health Laboratory for examination. In all 22 samples were submitted for examination, the result being negative in all instances.

Food Poisoning:

No case of Food Poisoning was notified in the Borough, during the year.

Typhoid:

No cases of Typhoid were reported in the Borough during the year.

Venereal Disease:

Twenty-five persons from Carmarthenshire were treated at the Venereal Disease Clinic at Llanelli as compared with thirty-seven in 1966. These cases comprised of two of Gonorrhoea and twenty-three of other conditions.

The Clinic held at Bryntirion Hospital, Llanelli has now been closed.

Infectious Disease - Immunisation:

In contrast to last year, the immunisation figures for all children under 14 years show an increase in respect of Diphtheria, Poliomyelitis and Whooping Cough. Even so I must stress that the prevention of epidemics of these diseases depends mainly on the percentage of children in the population who have received immunisation against these diseases.

INFECTIOUS AND OTHER NOTIFIABLE DISEASES DURING 1967

	Scarlet Fever		Whooping Cough		Poliomyelitis			
	M.	F.	M.	F.	Paralytic		Non-paralytic	
	M.	F.	M.	F.	M.	F.	M.	F.
Numbers originally notified	-	1	6	17	-	-	-	-
Final numbers after correction:-								
Under 1 year	-	-	1	-	-	-	-	-
1 year	-	-	1	1	-	-	-	-
2 years	-	1	-	4	-	-	-	-
3 years	-	-	-	3	-	-	-	-
4 years	-	-	-	3	-	-	-	-
5 - 9 years	-	-	4	4	-	-	-	-
10 - 14 years	-	-	-	1	-	-	-	-
15 - 24 years	-	-	-	-	-	-	-	-
25 and over	-	-	-	1	-	-	-	-
Age unknown	-	-	-	-	-	-	-	-
Total (all ages)	-	1	6	17	-	-	-	-

	Measles (excluding Rubella)		Diphtheria		Dysentery		Meningococcal infection	
	M.	F.	M.	F.	M.	F.	M.	F.
Numbers originally notified	146	154	-	-	8	3	-	-
Final numbers after correction:-								
Under 1 year	8	6	-	-	-	-	-	-
1 year	14	8	-	-	-	-	-	-
2 years	17	15	-	-	-	2	-	-
3 years	25	26	-	-	-	-	-	-
4 years	27	32	-	-	1	-	-	-
5 - 9 years	52	64	-	-	2	-	-	-
10 - 14 years	1	2	-	-	1	-	-	-
15 - 24 years	-	-	-	-	4	-	-	-
25 and over	-	1	-	-	-	1	-	-
Age unknown	-	-	-	-	-	-	-	-
Total (all ages)	144	154	-	-	8	3	-	-

	Acute Pneumonia		Smallpox		Acute Encephalitis			
					Infective		Post Infectious	
	M.	F.	M.	F.	M.	F.	M.	F.
Numbers originally notified	14	10	-	-	-	-	-	-
Final numbers after correction:-								
Under 5 years	2	2	-	-	-	-	-	-
5 - 14 years	2	2	-	-	-	-	-	-
15 - 44 years	-	3	-	-	-	-	-	-
45 - 64 years	4	3	-	-	-	-	-	-
65 and over	6	-	-	-	-	-	-	-
Age unknown	-	-	-	-	-	-	-	-
Total (all ages)	14	10	-	-	-	-	-	-

	Typhoid Fever		Paratyphoid		Erysipelas		Food Poisoning	
	M.	F.	M.	F.	M.	F.	M.	F.
Numbers originally notified	-	-	-	-	-	1	1	-
Final numbers after correction:-								
Under 5 years	-	-	-	-	-	-	-	-
5 - 14 years	-	-	-	-	-	-	-	-
15 - 44 years	-	-	-	-	-	1	-	-
45 - 64 years	-	-	-	-	-	-	-	-
65 and over	-	-	-	-	-	-	-	-
Age unknown	-	-	-	-	-	-	-	-
Total (all ages)	-	-	-	-	-	1	-	-

	Tuberculosis								Other Notifiable Diseases			
	Respiratory		Meninges and C.N.S		Other		Total of new cases coming to the knowledge of M.O.H otherwise than by formal notification					
	M.	F.	M.	F.	M.	F.						
							Original	Final				
Numbers originally notified	1	-	-	1	-	-	Males	Females	M.	F.	M.	F.
Final numbers after correction:-									Puerperal Pyrexia			
Under 1 year	-	-	-	-	-	-	-	-	-	-	-	-
1 year	-	-	-	-	-	-						
2 - 4 years	-	-	-	-	-	-			Ophthalmia Neonatorum			
5 - 9 years	-	-	-	-	-	-						
10 - 14 years	-	-	-	-	-	-			-	-	-	-
15 - 19 years	-	-	-	-	-	-						
20 - 24 years	-	-	-	-	-	-						
25 - 34 years	-	-	-	-	-	-						
35 - 44 years	-	-	-	1	-	-						
45 - 54 years	-	-	-	-	-	-						
55 - 64 years	1	-	-	-	-	-						
65 - 74 years	-	-	-	-	-	-						
75 and over	-	-	-	-	-	-						
Age unknown	-	-	-	-	-	-						
Total (all ages)	1	-	-	1	-	-	Specify disease and Sex but not age					

Tuberculosis:

No. of new cases of Tuberculosis notified in the year				
per 1,000 population	...	...	...	.07

Only two cases of Tuberculosis were notified during the year - 1 male respiratory case and 1 female non-respiratory case. In 1966 there were eleven cases notified - 8 respiratory cases (6 males and 2 females) and 3 non-respiratory cases (1 male and 2 females).

There were four deaths attributable to Tuberculosis during the year - 3 respiratory and 1 non-respiratory. This compares with 1 for last year, a non-respiratory case.

The provisional death rate for England and Wales for 1967 was 37 per million persons for Respiratory Tuberculosis, and 5 per million persons for other forms of Tuberculosis.

The treatment of Tuberculosis patients is undertaken by the Regional Hospital Boards through the Chest Physicians.

Enquiries regarding the domiciliary care of Tuberculosis patients should be addressed to the County Medical Officer of Health.

The County Council will assist in the domiciliary care of Tuberculous and other patients, by provision of beds, bedding, sickroom equipment and home help assistance.

In addition, sleeping out shelters are available for certain Tuberculous patients.

Assistance is granted in necessitous cases towards the cost of the travelling expenses of relatives visiting long stay patients in Hospitals and Sanatoria. In practice, it has been found that the great majority of applications for assistance have been by relatives of Tuberculous patients.

Assistance is granted for visits to Hospitals and Sanatoria which are not less than 40 miles from the residence of the applicant, and is subject to the following conditions:-

- (a) That there is urgent reason for the visit because of the patient's serious condition, or that the visit would, in medical opinion, do the patient good and aid response to the treatment.
- (b) That because of the length of the journey the relatives concerned are unable to afford it from their own resources without substantial hardship.

- (c) That subject to (a) above, the assistance is restricted to one relative every month or two relatives every two months, unless a senior member of the Medical Staff of the Hospital certifies that more frequent visits are essential on account of the patient's serious condition.

B.C.G. Vaccinations:

The following figures of B.C.G. vaccinations relate to the whole County:-

	Contact Scheme	School Children
Number skin tested	172	1686
Number found negative	121	1476
Number vaccinated	124	1325

Mass Radiography Service:

Unit "J" of the Mass Radiography Service, continued operating every Monday (apart from Bank Holidays and the holiday month of August) at the Odeon Car Park, Llanelli, but was withdrawn from service on the 31st December, 1967. In its place, the town will be included in the programme of one of the mobile units and visited once yearly and remaining in the town for a longer period of time than has been the case in the past.

A special survey unit visited two works in the Borough and also another 3 local works on the fringe of the Borough boundaries employing a large number of employees resident in the Borough.

Details of the examinations by both units in the Borough and the 3 local works are as follows:-

Circuit Location	Number Examined	Number of visits	Average Attendance per visit
Llanelli	3,452	41	84
Referred to Chest Physician as requiring further observation	61		
Other Abnormalities of the chest diagnosed on unit	362		

Special Surveys	Number Examined	Referred to Chest Physician	Other Chest Abnormalities
British Piano Actions	164	1	8
North Dock Engineering Co.	68	-	3
Ina-Needle Bearing Ltd.	241	1	7
Avon Rubber Co. Ltd.	112	-	1
Bowden (Engineers) Ltd.	231	1	11
	816	3	30

Analysis showing Type of Examinee

Regular visits

General Population Volunteers	3249
General Practitioner Referrals	195
Contacts	8
	<u>3452</u>

Special Surveys

Factory Groups - Industrial	<u>816</u>
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Isolation Hospitals:

Cases of infectious diseases from the Borough are sent either to Hill House Hospital, Swansea, or to the West Wales Isolation Hospital, Tumble. Six cases were admitted to the West Wales Isolation Hospital, Tumble. No information is available as to the number of admissions to Hill House Hospital, Swansea.

Laboratory Facilities:

Specimens are sent to the Public Health Laboratory, Swansea or to the Public Health Laboratory, Carmarthen, and I would like to record my appreciation to the Directors for their close co-operation and assistance received at all time.

The following samples were sent to the Laboratories for examination during the year :-

Faeces	Water	Milk	Ice Cream	Foods
22	26	43	22	6

GENERAL HEALTH AND SOCIAL SERVICES

Clinics:

Clinic	Where Held	When Held	Times
Infant	'Brynmsir' Goring Road	Mondays Fridays	2 - 4 p.m. 9.45 a.m. - 12 noon 2 - 4 p.m.
Ante-Natal	Do.	Wednesdays	9.30 a.m. - 12 noon
Venereal Diseases	West Wales General Hospital, Glangwili	Males and Females: First and Third Friday in each month	2 - 6 p.m.
	Mount Pleasant Hospital, Swansea	<u>Males:</u> Mondays Tuesdays Wednesdays <u>Females:</u> Tuesdays Thursdays	9. a.m. - 12 noon 2 - 4 p.m. 5 - 7 p.m. 9. a.m. - 12 noon 3 - 5 p.m.
Chest Clinic	Bay View, Capel Road	Mondays Thursdays Fridays Tuesdays Wednesdays (By appointment only) General Practitioners' Referrals (X-ray only) Tuesdays	9. a.m. - 5.30 p.m. 9. a.m. - 5.30 p.m. 9. a.m. - 5.30 p.m. 9. a.m. - 1.00 p.m. 9. a.m. - 6.00 p.m. 2 - 4 p.m.
Immunisation (and Vaccina- tion if re- quired)	'Brynmair' Goring Road	Friday	10 - 11 a.m.
Psychiatric Out-Patients' Clinic	Llanelli General Hospital	Every other Wednesday	2 p.m.
Deaf Aid (Repairs) Clinic	Do.	Thursdays	9. a.m. - 5 p.m.
Physiotherapy Clinic	Bryntirion Hospital	Monday to Friday Saturday	9. a.m. - 5 p.m. 9. a.m. - 12 noon

Local Hospitals:

There are four local hospitals. The Llanelli General Hospital with 160 beds; the Bryntirion Hospital for Chronic Sick with 156 beds; the Glasfryn Maternity Hospital with 12 beds, and the Pre-convalescent Hospital at Cilymaenllwyd with 43 beds.

Distribution of Welfare Foods:

National Welfare Foods which were formerly distributed by the Ministry of Food are now distributed, under arrangement, by the Carmarthenshire County Council.

The Centre is open from Mondays to Fridays at Brynmair Clinic, Goring Road, Llanelli.

Home Nursing Equipment:

Sick-room and nursing articles and equipment required for patients at home can be obtained as follows:-

- (a) Red Cross Society, 6 West End: 6.30 p.m. - 7.30 p.m. each evening.
- (b) From County Medical Officer of Health.

Equipment provided under these arrangements include air beds, air rings, bed cradles, bed pans, back rests, urinals, waterproof sheets, etc. Patients are charged according to their circumstances and the cost of the article.

Home Help Service:

The Home Help Service is organised by the Carmarthenshire County Council. The area organiser is available for interviews, etc., at 6 John Street, on Monday afternoons between 2.30 p.m. and 4.0 p.m.

Home Helps are provided during the laying-in period in maternity cases where the patient has no relative available to undertake the domestic duties of the home, and also in certain cases of sickness or needs. For those on National Assistance, domestic help on a more limited scale can be arranged, when needed, through the Ministry of Social Security.

The Health Department collaborate closely with the officials responsible for the services enumerated above.

Mental Health Service:

The Officer duly authorised to take initial proceedings under the Mental Health Act, 1961, for the provision and care and treatment of persons in the area suffering from mental illness is Mr. Dewi A. David, "Glen View", Gwendraeth Town, Kidwelly.

Mental Subnormals:

The Carmarthenshire County Council is responsible for the ascertainment, supervision and general welfare of the mentally subnormal.

Supervisory home visits are made by Mental Welfare Officers and a limited amount of home teaching of mental subnormals is also carried out.

A new and larger Junior Training Centre was opened at Heol Goffa during the year. The improved conditions and increased capacity of this centre should do much to benefit the mentally handicapped persons and their families. A small residential hostel for the use of handicapped persons in the county, living too far away for daily transportation, was opened in the same area.

Blood Transfusion Service:

There is a small Blood Bank at the Llanelli General Hospital and the services of a Pathologist with three trained technicians and four trainee technicians are available.

Blood grouping and cross matching are part of the normal laboratory routine and a twenty-four hours service is maintained for emergencies.

The Blood Transfusion Unit visited the area periodically during the year, and in all 1,384 donations were received in comparison with 1,359 donations for the previous year.

The figure of usage of blood by the Llanelli Hospitals during the year is not known.

Details as supplied by the National Blood Transfusion Service re donations received and donations per 100 head of population are as follows:-

(a) Donations received in Llanelli area.

Llanelli Town Sessions	421
Other Sessions (Works, Factories, etc.)	<u>963</u>
	<u>1,384</u>

(b) Donations received in 1967.

(i) In area covered by Glantawe Hospital Group	7,673
(ii) In whole Welsh Region	54,952

(c) Donations per 100 head of population:-

- | | |
|------------------------------|------|
| (i) In Glantawe H.M.C. area. | 2.27 |
| (ii) In whole Welsh Region. | 2.57 |

There was an increase of 31 donations received during the year at the Llanelli Town Sessions, but a decrease of 6 donations from Other Sessions, as compared with the previous year.

The average donations per year for the last five years is 1,351 and the donations for the current year are slightly in excess of the average figure.

The Health Department collaborates very closely with the National Blood Transfusion Service when they visit the area in the displaying of posters, etc., announcing their forthcoming sessions as well as the permanent posters displayed in the town showing the great need for blood.

Most people can donate blood to the Blood Bank, and the amount of blood taken is quickly replaced from the body's reserve. This reserve is replaced in a matter of days. With the everlasting and ever increasing need for blood, I, once more, appeal that when the Blood Transfusion Unit visits the area in future even more donations will be forthcoming.

National Society for the Prevention of Cruelty to Children:

Close collaboration is maintained with the Local Inspector of the above Society, and mutual action to mitigate distress is taken in many instances.

The Local Inspector (Chief Inspector D.R. Lewis) resides at 44 Glenalla Road, Llanelli (Telephone No. 5612).

National Assistance Act, Section 57:

This section provides for removal to suitable premises of persons in need of care and attention. No formal action under this section was necessary during the year, persuasive action having been sufficient to achieve the desired ends. The availability of the powers does however aid persuasion in certain cases.

SANITARY CIRCUMSTANCES OF THE BOROUGH

Water Supply:

The Corporation's Water Undertaking was taken over by the Llanelli and District Water Board on the 1st October, 1962. Prior to the take over the Undertaking consisted of:-

- (a) The Cwmlledi reservoir constructed in 1878, having a capacity of 200 million gallons.
- (b) The Upper Lliedi reservoir constructed in 1904, having a capacity of 200 million gallons.
- (c) The river intake of the Gwendraeth Fach which affords a supply of 3 million gallons per day.
- (d) An intake of the River Towy designed to abstract 6.1 million gallons per day, of which one million gallons per day is reserved for the Carmarthen Rural District Council, half a million gallons per day for the Llandeilo Rural District Council, and 600,000 gallons per day for the Llanelli Rural District Council.

There are two systems of mains supplying the Borough limits:-

- (i) a domestic main which delivers water treated by slow sand filters and/or chloramine, and
- (ii) trade water mains which deliver water (chlorinated only) for industrial purposes.

The water supply of the area is generally satisfactory in both its quantity and quality.

Twenty-six samples of tap water were taken, by the Health Department, for bacteriological examination. In addition, copies of reports on samples submitted by the Llanelli and District Water Board for both chemical and bacteriological examination were received by myself, and the position can only be regarded as very satisfactory from the point of purity of the water supply.

Water Distribution in Llanelli and District Water Board Area:

The average daily consumption of filtered water for domestic purposes during the year was 5,183,000 gallons, and for trade purposes 3,410,000 gallons.

The average daily consumption per head for domestic purposes during the year was 66.1 gallons.

The total number of houses supplied with water was 24,770 for an estimated population of 78,410.

Rainfall - Llanelli Borough:

The total rainfall for 1967 was 65.63 inches as against 60.20 inches for 1966 and 54.82 for 1965.

Rain fell on 227 days and the maximum fall in 24 hours occurred on the 11th October, 1967 when 2.04 inches were recorded on the 24 hours ended at 9.0 a.m. on the 12th October, 1967.

Sewerage:

District	Description of Sewer
Machynis Sewer Outfall	18 inches diameter Salt Glazed Ware Pipe
Morfa Sewer Outfall	4 ft. 6 ins. x 3 ft. Culvert
Northumberland Main Sewer Outfall	4 ft. 9 ins. x 3 ft. 6 ins. Egg Shaped brick sewer
Lead Works Sewer Outfall	3 ft. 9 ins. x 2 ft. 6 ins. Egg Shaped brick sewer
Forge Sewer Outfall	24 inches diameter Cast Iron Pipes
Cefncaeau	Connected to Llanelli R.D.C. Sewer by arrangement
Marble Hall	Connected to Llanelli R.D.C. Sewer by arrangement

Sewage and Sewage Disposal:

Investigations by the firm of consultants engaged by the Council to provide improved sewage disposal for the town continued during the year. It is hoped that a report which will enable the Council to deal with the problems involved, will be available in the near future.

Closet Accommodation:

No. of houses provided with pails, collected by the Council	...	7
No. of houses with pails, contents of which the occupiers dispose of themselves	...	Nil
No. of houses with private cesspools	...	8

Refuse Collection and Disposal:

All the houses in the Borough are provided with dust bins. This has proved an unqualified success not only aesthetically, but also in the reduction or elimination of nuisances, etc., caused by flies, vermin and rodents.

The refuse collected is disposed of at the Council's Refuse Tip, and controlled tipping, in accordance with the recommendation of the Ministry of Health, is being operated. This has led to considerable improvement in the conditions of the tip. Regular supervisory visits are made by my Staff. The Rodent Operator also makes regular visits, and he reports that rodent infestation is no longer a serious problem.

The estimated amount of refuse collected in the period 1st April, 1967 to 31st March, 1968, was 10,940 tons, an increase of 1.7% over that for the previous year.

Litter Act, 1958:

Litter bins are distributed on the main highways of the town and the improvement in the cleanliness of the town since these were supplied is being maintained.

River and Streams:

The River Lliedi passes through the town and is occasionally polluted by the throwing of rubbish into the bed of the river. This was guarded against as much as possible.

HOUSING

Unsatisfactory conditions in houses owned by the Corporation are investigated by the members of the Health Department. In the allocation of Council Houses, the staff of the Health Department schedule overcrowded cases and, where appropriate, make specific recommendations. Tuberculosis cases are given special consideration and priority in rehousing. Investigation of applications for housing on medical grounds is now an important added feature to the work of the Department. The investigation of applications for O.A.P. dwellings and the allocation of such dwellings is undertaken by the Department. Services to deal effectively with a small number of problem families which require intensive remedial measures cannot be regarded as adequate.

Overcrowding:

Approximately 50 families were living under overcrowded conditions in the Borough at the end of the year. This compares with 92 families at the end of the previous year.

Provision of Houses:

Up to the end of 1967, the Town Council had erected 3,185 houses, of which 793 are situated in the Llanelli Rural District area.

No. of houses, including O.A.P. dwellings in course of erection at 31/12/66:-

3 Bedroom Houses	29	
Old People's Bungalows - Singles	20	
Old People's One Bedroom Flats - Doubles	16	65

No. of houses, including O.A.P. dwellings occupied during 1967:-

3 Bedroom Houses	12	
Old People's Bungalows - Singles	11	
Old People's One Bedroom Flats - Doubles	8	<u>31</u>

No. of houses, including O.A.P. dwellings in course of erection as at 31st December, 1967:-

3 Bedroom Houses	55	
3 Bedroom Maisonettes	55	
Old People's Bungalows - Singles	26	
Old People's Flats - Doubles	15	
O.A.P. Single Person "Block" - Warden Service	34	
Warden's Flat	<u>1</u>	<u>186</u>

No. of houses built by private enterprise 4

There is still a big demand for O.A.P. accommodation in the Borough, particularly from the single person. For the first time since the commencement of building, for the aged, a new type of accommodation - a bedsitter one person bungalow, became available for letting. At the beginning, there was some reluctance to accept these single units, but this reluctance disappeared when the first few had been occupied and furnished and the advantages of living in such easily run units became more apparent. Further applications for this type of accommodation seems to prove that it has now been accepted by the single persons. During the year, work was commenced on the 34 single flatlets, Warden Service Block, on the Old Lodge Site, together with the Warden's Flat, situated within the "Block". The "Block", a two storey block, will be gas centrally heated and will contain a communal dining hall and a communal lounge. An inter communication system and a bell warning system will also be installed. Toilet accommodation will be shared in the ratio 1 : 2, and bathroom accommodation in the ratio 1 : 3. It is hoped that this "Block" will be ready towards the end of 1968.

Inspections:

Details of inspections are contained in the report of the Chief Public Health Inspector.

Individual Unfit Houses:

During the year 15 Demolition Orders and 11 Closing Orders were made by the Town Council.

Improvement Schemes:

Under Section 30 of the Housing (Financial Provisions) Act, 1958, as amended by House Purchase and Housing Act, 1959, and Housing Act, 1961, the following grants were made:-

No. of applications		Amount of grants made during 1967	
Discretionary	Standard	Discretionary	Standard
32	12	£12,167	£727

The total amount of grants made up 31st December, 1967 were £177,641 for Discretionary Grants, and £11,618 for Standard Grants.

INSPECTION AND SUPERVISION OF FOOD

Shops, stalls, vehicles, etc. are visited regularly and particulars of condemnations are contained in the report of the Chief Public Health Inspector.

Food and Drugs Act, 1955:

The Public Health Inspectors regularly inspect all food premises in the Borough and have and are receiving the close co-operation of the trade people of the town in their willingness to put into effect any improvements governing food premises, etc.

Milk Supply:

No. of dairies in the Borough	...	14
No. of pasteurising plants	...	1
No. of distributors	...	30

Regular inspections of all milk premises in the Borough were made by the Public Health Inspectors and a high standard of cleanliness has been maintained.

Dealer's licences, Pasteuriser's licences and Tuberculin Tested Milk Producer's licences are issued by the Carmarthenshire County Council and the Ministry of Agriculture, Fisheries and Food.

Sampling:

Forty-three samples of Milk were submitted to the Public Health Laboratory for various tests. Details of tests carried out are as follows:-

Brucella Ring Test	6
Methylene Blue and Brucella Ring Tests	5
Methylene Blue, Brucella Ring and Phosphatase Tests	6
Methylene Blue and Phosphatase Tests	26
Total	<u>43</u>
No. of Guinea Pigs inoculated	10

The results of the samples submitted showed that 4 of the samples submitted for the Methylene Blue Test had failed, with one sample declared "test void", one of the samples submitted for the Phosphatase Test had failed, and twelve of the samples submitted for the Brucella Ring Test showed positive results. One of the Guinea Pigs inoculated also showed a positive Brucella Abortus result. Investigation of the milk supply of the dairy involved in the latter results, resulted in the source of the infected milk being traced to a farm outside the Borough boundary. Appropriate action to eliminate danger of infection through milk was taken.

Ice Cream:

No. of premises registered under the Llanelli Corporation Act, 1929 for the:-

Manufacture and sale of ice cream	...	8
Sale only of ice cream	... ..	59

During the year, twenty-two samples of ice cream were submitted to the Public Health Laboratories for examination by the Methylene Blue Tests. 15 of these were pronounced to be "Satisfactory", 5 of the remainder were declared as "test void" and 2 were pronounced as "Unsatisfactory".

All the ice cream vendors are supplied with the result of the examination of samples taken from them, and copies of the results are also sent to the manufacturers in cases where the retailer is not the manufacturer.

It is the practice for a Public Health Inspector to follow up unsatisfactory samples and take subsequent samples to ensure that the standard is improved.

The improvement in the bacterial cleanliness of ice cream during the past years is due to the attention given by the Public Health Inspector to this commodity.

Food Premises Registered under Llanelli Corporation Act, 1929:

The number of food premises registered under the Llanelli Corporation Act, 1929, for the preparation or manufacture of faggots, sausages and curing of fish is two.

Slaughterhouse:

There are no slaughterhouses within the Borough.

Food Premises within the Borough:

- 16 Bread and Flour Confectionery premises.
- 1 Brewery.
- 22 Butchers' premises.
- 22 Cafes and Restaurants.
- 2 Cold Stores.
- 15 Milk premises.
- 4 Departmental Stores.
- 6 Factory Canteens.
- 23 Fish Friers' premises.
- 14 Fishmongers' premises.
- 17 Fruiterers and Greengrocers' premises.
- 136 General Grocers and Provisions Stores.
- 67 Ice Cream premises.
- 94 Licensed premises.
- 1 Pickle Factory.
- 8 School Kitchens.
- 48 Sweets, Chocolates and Sugar Confectionery premises.
- 3 Hospitals.
- 5 Hotels.

All the above Food premises comply with Regulations 16 and 19 of the Food Hygiene (General) Regulations, 1960.

In addition, the Corporation Market has the following permanent food Stalls/Shops:-

- 10 Butchers.
- 3 Cafes.
- 7 Sweets, Chocolates, etc.
- 3 Fish - Dry.
- 6 Fish - Wet.
- 47 Fruiterers and Greengrocers.
- 12 Welsh Produce and Grocery.
- 2 Pastries and Cakes.

MISCELLANEOUS

Atmospheric Pollution:

The Town Council is one of the 147 representative towns measuring smoke and sulphur dioxide pollution in the atmosphere in respect of a national survey of air pollution in Great Britain.

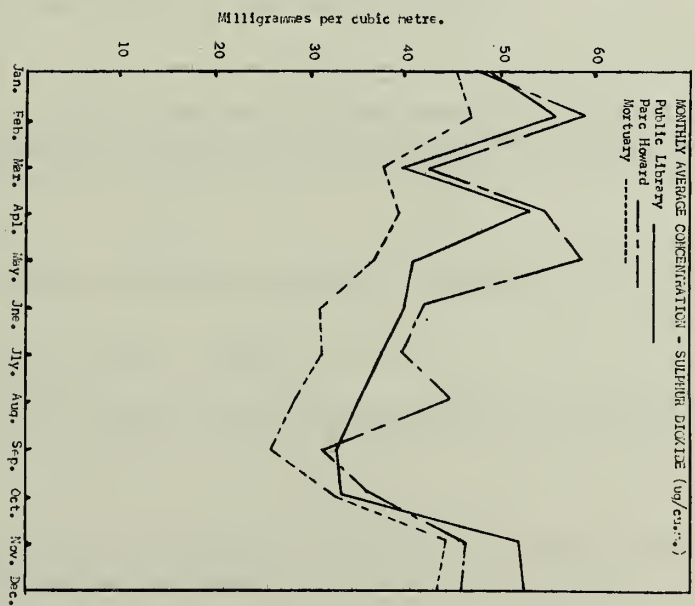
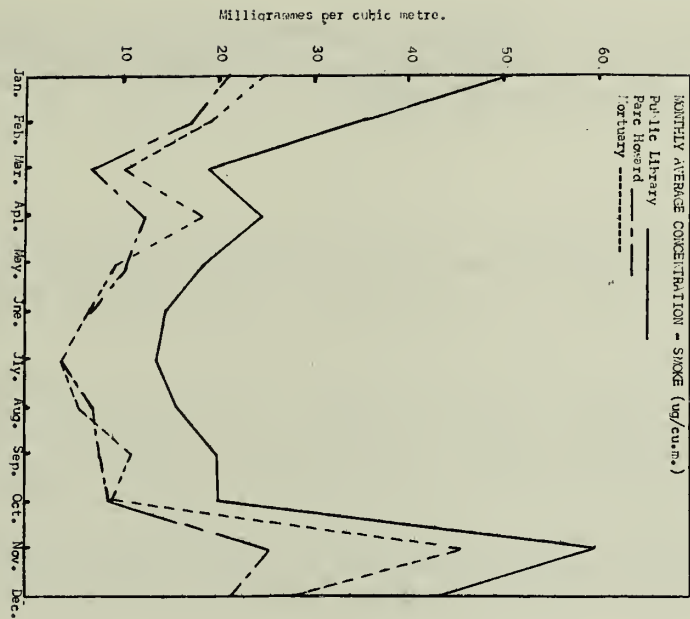
Volumetric recording instruments for the measure of smoke and sulphur dioxide are sited at the Public Library, Parc Howard Mansion and at the Public Mortuary. Daily recordings are taken and analysed, the results of which are sent to the Department of Scientific and Industrial Research.

ATMOSPHERIC POLLUTION (NATIONAL SURVEY)

1967

Average concentration of Smoke and Sulphur Dioxide are as follows:-

1967	Microgrammes per Cubic Metre					
	SMOKE			SULPHUR DIOXIDE		
	Public Library	Parc Howard	Mortuary	Public Library	Parc Howard	Mortuary
January ...	50.1	21.5	25.1	48.5	47.9	45.1
February ...	35.5	17.4	19.4	55.5	59.0	47.0
March ...	19.2	6.9	10.5	39.4	42.9	37.9
April ...	24.6	12.3	18.4	52.7	54.1	39.0
May ...	18.6	10.2	9.4	40.2	58.3	36.1
June ...	14.4	6.5	6.5	39.8	41.9	31.8
July ...	13.4	3.6	3.6	37.1	39.3	31.7
August ...	15.2	6.8	5.5	34.8	44.1	27.7
September ...	19.7	7.5	11.8	32.3	31.0	25.0
October ...	19.8	8.4	8.1	32.8	35.3	31.6
November ...	59.2	25.0	45.0	51.4	45.9	43.3
December ...	42.7	21.1	27.8	51.9	45.1	42.6
Average for the year	27.7	12.3	16.0	43.0	45.4	36.2
Average for Borough (3 Sites)	18.7			41.5		
Average for Summer Months. (April - September)	17.7	7.8	9.2	39.5	44.8	31.9
Average for Winter Months. (Jan., Feb., March, Oct., Nov. and Dec.)	37.8	16.7	22.7	46.6	46.0	41.3



The statistics and graphs show a similar pattern to those of 1963, 1964, 1965 and 1966, but with a further decrease in the average smoke and sulphur dioxide concentration for the town as a whole.

Caravan Sites and Control of Development Act, 1960:-

Three caravan sites are licensed in the Borough.

Moveable Dwellings:

Morfa Caravan Site:

This site was set up to meet the needs of 23 - 24 of the "gypsy" type caravan dwellers of the area. The conditions on the site and the behaviour of the occupants continue to show slow but steady improvement. The children from the site attend local schools.

Although the standard of living of the van dwellers generally continues to rise, it has become apparent that a section of them, usually with small children, find it extremely difficult to "make ends meet" at certain periods of the year. This retards the rate of improvement on the site as a whole and poses financial problems when considering added amenities such as individual electricity points for each caravan standing.

A number of the families originally occupying the site have left the area due to the increasing difficulty experienced in making an adequate living at some periods of the year. This reduction in numbers should increase the opportunities available to the remainder to improve their lot.

Noise Abatement Society:

The Town Council became Members of the Society in 1959.

Offensive Trades:

During the year two applications were received under Section 107 of the Public Health Act, 1936, for the renewal of the Consent to the continuation of the establishment of an offensive trade of rag and bone dealer at premises in Embankment Road and Nevill's Dock.

Both were licensed.

The Town Council during the year also renewed its consent to the establishment of a trade of Gutscraper.

Scrap Metal Dealers Act, 1964:

Thirty-nine scrap metal dealers were registered within the Borough at the end of the year.

Paddling Pools:

The four paddling pools in the Borough have become very popular, with the children, and were well patronised during the season.

Swimming Pool:

Samples of the water are taken regularly by the Health Department for examination, to ensure that high standards of cleanliness or purity are maintained.

Health Education:

During the year a poster campaign was carried out in the district. Various posters dealing with Food Hygiene, Accidents in the Home, Health Matters, Blood Transfusion Service, etc., were distributed in 'bus shelters and on public buildings. Whilst the actual results of such a campaign cannot be measured, it is hoped that the information given has alleviated and minimised some of the suffering which is brought about by ignorance and neglect of such matters.

Telephone Number:

The Telephone Number of the Medical Officer of Health is Llanelli 4473.

**ANNUAL REPORT OF THE MEDICAL OFFICER OF HEALTH
IN RESPECT OF THE YEAR 1967 FOR THE BOROUGH OF
LLANELLI IN THE COUNTY OF CARMARTHENSHIRE**

Prescribed Particulars on the Administration of the Factories Act,

1937

Part I of the Act

1. INSPECTIONS for the purpose of provisions as to health (including inspections made by the Public Health Inspectors)

Premises (1)	Number on Register (2)	Number of		
		Inspections (3)	Written Notices (4)	Occupiers Prosecuted (6)
(i) Factories in which Sections 1,2,3,4 and 6, are to be enforced by Local Authorities	63	3	-	-
(ii) Factories not in- cluded in (i) in which Section 7 is enforced by the Local Authority	184	14	1	-
(iii) Other premises in which Section 7 is enforced by the Local Authority (ex- cluding out-workers premises)	4	-	-	-
Total	251	17	1	-

2. Cases in which DEFECTS were found. (If defects are discovered at the premises on two, three, or more separate occasions they should be reckoned as two, three or more "cases").

Particulars	Number of cases in which defects were found				Number of cases in which prosecutions were instituted
	Found	Remedied	Referred		
			To H.M. Inspector	By H.M. Inspector	
(1)	(2)	(3)	(4)	(5)	(6)
Want of Cleanliness (S.1)	-	-	-	-	-
Overcrowding (S.2)	-	-	-	-	-
Unreasonable Temperature (S.3)	-	-	-	-	-
Inadequate Ventilation (S.4)	-	-	-	-	-
Ineffective Drainage of floors (S.6)	-	-	-	-	-
Sanitary Conveniences (S.7):					
(a) Insufficient	1	1	-	1	-
(b) Unsuitable or defective	-	-	-	-	-
(c) Not separate for sexes	-	-	-	-	-
Other offences against the Act (not including offences relating to Out-work)	-	-	-	-	-
Total	1	1	-	1	-

PART VIII OF THE ACT OUTWORK

(Section 110 and 111)

There are no outworkers employed within the Borough.

REPORT OF Mr. D. H. FRANCIS, CHIEF PUBLIC HEALTH INSPECTOR

During the year 1,108 complaints were received by the Department. The complaints related to various nuisances; insanitary and overcrowded conditions in dwelling houses; unsatisfactory hygienic conditions in factories and other premises; rodent and insect infestations; unsound foods; accumulation of refuse; atmospheric pollution; moveable dwellings; water supplies, etc. Each complaint was investigated and dealt with.

No. of persons, including property owners interviewed	...	1,340
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A great measure of success in securing compliance with the requirements of the Notices has been due to personal contact with owners or agents of properties, whenever possible.

DETAILS OF INSPECTIONS:

General Sanitation:

Drainage, sewerage and sewage disposal	...	...	120
Drains and sewers tested: Colour	...	...	58
Smoke	...	...	29

All complaints of choked or defective drains or sewers, etc. receive immediate attention and the team of flushers employed by the Corporation work in very close co-operation with the Public Health Inspectors.

Water Supply:

All defects, leakages, etc., were reported to the Llanelli and District Water Board.

Regular samples of the town's domestic water supply are taken by the Public Health Inspectors for bacteriological examination in addition to the samples submitted by the Llanelli and District Water Board for chemical analysis and bacteriological examination.

No. of samples taken	...	...	26
(Health Department only)			

Refuse Collection and Disposal ... 54

These visits relate to complaints of indiscriminate dumping of refuse and include supervisory visits to the town's refuse tips. The Department works in close co-operation with the Borough Surveyor and Engineer, who is responsible for the collection and disposal of refuse.

Abatement of Nuisances ... 615

Inspections and re-inspections were mainly concerned with the disrepair or insanitary conditions of dwelling houses; flooding; animal nuisances; water-courses; insect and vermin infestations and noise.

Offensive Trades ... 8

There are three offensive trades established in the Borough - Gut Scraper (one) and Rag and Bone Dealers (two). These are kept under regular observation.

Offices, Shops and Railway Premises Act, 1963:

Details of Registrations, inspections, contraventions and reported accidents for the year are as follows:-

Registrations and General Inspections

Class of Premises	Number of premises registered during the year	Number of registered premises at end of year	Number of registered premises receiving a general inspection during the year
Offices	3	80	43
Retail Shops	8	191	67
Wholesale Shops, Warehouses	-	19	6
Catering establishments open to the public, canteens	1	16	6
Fuel Storage depots	-	-	-
Total	12	306	122

**Total number of visits of all kinds by Inspectors to
Registered Premises under the Act** 370

Analysis of Contraventions

Section	No. of Contraventions found		Section	No. of Contraventions found	
4	Cleanliness	6	13	Sitting facilities	1
5	Overcrowding	-	14	Seats (Sedentary Workers)	9
6	Temperature	7	15	Eating facilities	-
7	Ventilation	5	16	Floors, passage and stairs	6
8	Lighting	3	17	Fencing exposed parts machinery	-
9	Sanitary Conveniences	12	18	Protection of young persons from dangerous machinery	-
10	Washing facilities	8	19	Training of young persons working at dangerous machinery	-
11	Supply of Drinking water	-	23	Prohibition of heavy work	-
12	Clothing accommodation	1	24	First Aid General provisions	10
				Other Matters	10
				TOTAL	78

Reported Accidents

Workplace	No. Reported		Total No. Investi- gated	Action Recommended			
	Fatal	Non-Fatal		Prosecution	Formal warning	Informal advice	No action
Offices	-	2	2	-	-	-	-
Retail Shops	-	18	18	-	-	-	-
Wholesale Shops Warehouses	-	-	-	-	-	-	-
Catering establish- ments open to public, canteens	-	-	-	-	-	-	-
Fuel Storage depots	-	-	-	-	-	-	-
TOTAL	-	20	20	-	-	-	-

Analysis of Reported Accidents

	Offices	Retail Shops	Wholesale Warehouses	Catering establishments open to public, canteens	Fuel Storage depots
Machinery	-	-	-	-	-
Transport	-	1	-	-	-
Falls of persons	1	7	-	-	-
Stepping on or striking against object or person	-	-	-	-	-
Handling goods	1	8	-	-	-
Struck by falling object	-	-	-	-	-
Fires and explosions	-	-	-	-	-
Electricity	-	-	-	-	-
Use of hand tools	-	1	-	-	-
Not otherwise speci- fied	-	1	-	-	-

Common Lodging Houses:

There are no registered Common Lodging Houses within the Borough.

Moveable Dwellings ... 157

These visits were concerned with trailer sites and gipsy encampments.

Factories and Workshops ... 17

Sanitary Conditions of Places of Public Entertainment 6

Pets Act, 1951 ... 1

Housing Act, 1961:

Houses in Multiple Occupation ... 1

Rag Flock Act and Regulations	1
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One premises is registered within the Borough.

Public Conveniences	15
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HOUSING:

Inspection of Dwelling Houses during the Year:

(1) (a) Total number of dwelling houses inspected for housing defects (under Public Health or Housing Acts)	...	232
(b) Number of inspections made for the purpose	...	433
(2) (a) Number of dwelling houses (included under Sub-head (1) above) which were inspected and recorded for the first time	... ..	31
(b) Number of inspections made for the purpose	...	31
(3) Number of dwelling houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	... ..	Nil
(4) Number of dwelling houses (exclusive of those referred to under the preceeding sub-head) found not to be in all respects reasonably fit for human habitation	...	84

Remedy of Defects during the Year without service of Formal Notices:

Number of dwelling houses rendered fit in consequence of informal action by the Local Authority or their Officers	...	71
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Action under Statutory Powers during the Year:

(a) Proceedings under Section 9 and 16 of the Housing Act, 1957:-

(1) Number of dwelling houses in respect of which notices were served requiring repairs	...	Nil
(a) By Owners	... ..	Nil
(b) By Local Authority in default of owners	...	Nil

(b) Proceedings under Public Health Acts:-

(1) Number of dwelling houses in respect of which notices were served requiring defects to be remedied	...	4
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(2) Number of dwelling houses in which defects were remedied after service of formal notices	
(a) By Owners	...	...	2
(b) By Local Authority in default of owners	...	...	Nil
(c) Proceedings under Section 17 (1), Housing Act, 1957:-			
(1) Number of dwelling houses in respect of which demolition orders were made	...	...	15
(2) Number of dwelling houses demolished in pursuance of demolition orders	...	...	68
(d) Proceedings under Section 17 (1), Housing Act, 1957:-			
(1) Number of dwelling houses in respect of which closing orders were made	...	...	9
(2) Number of dwelling houses in respect of which closing orders were determined, the dwelling houses having been rendered fit			Nil
(e) Proceedings under Section 18, Housing Act, 1957:-			
(1) Number of separate tenements or underground rooms in respect of which closing orders were made	...	...	2
(2) Number of separate tenements or underground rooms in respect of which closing orders were determined, the tenements or rooms having been rendered fit	Nil

Overcrowding:

No. of visits made	107
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Inspection of Council Houses prior to Letting:

No. of visits made	71
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Rent Act, 1957:

Part I - Application for Certificate of Disrepair:

Number of applications for Certificates	...	1
Number of decisions not to issue Certificates	...	Nil
Number of decisions to issue Certificates	...	1

(a) In respect of some, but not all defects	...	Nil
(b) In respect of all defects	...	1

Number of undertakings given by landlords under paragraph 5 of the First Schedule	...	Nil
Number of undertakings refused by Local Authority under provision to paragraph 5 of the First Schedule	...	Nil
Number of certificates issued	...	1

Part 2 - Application for Cancellation of Certificates:

Applications by landlords to Local Authority for cancellation of Certificates	...	Nil
Objections by tenants to cancellation of Certificates	...	Nil
Decisions by Local Authority to cancel in spite of tenant's objection	...	Nil
Certificates cancelled by Local Authority	...	Nil
Number of visits in respect of Rent Act Certificates	...	Nil

Food Hygiene:

The number of visits and re-visits in connection with the inspection and supervision of the handling, storing, preparation and distribution of food amounted to 367.

Bakers and Confectioners	...	32
Butchers	...	63
Cafes, Hotels, Restaurants	...	57
Cold Stores	...	6
Confectioners	...	8
Fish Friers	...	27
Fishmongers	...	13
Food Vehicles	...	7
Fruiterers and Greengrocers	...	14
Grocers	...	101
Hospital Kitchens	...	3
Licensed Premises	...	23
Pickle Factory	...	5
School and Factory Canteens	...	8

In addition, the food premises in the Public Market are visited regularly.

Condemnation of Meat and Other Foods:

The following amounts of food were condemned as unfit for human consumption during the year:

Canned Foods:

Fruit	...	...	...	3,263 lbs.
Vegetables	...	...	...	1,129 lbs.
Meat	...	...	...	567 lbs.
Milk and Milk Puddings	...	...	...	131 lbs.
Fish	...	...	...	157 lbs.
Soups	...	...	...	95 lbs.
Cream	...	...	...	19 lbs.
Miscellaneous	...	...	...	114 lbs.

Other Foods:

			Total	5,475 lbs.
Vegetables	...	...	...	1,466 lbs.
Bacon, Ham, Meat and Cooked Meats	...	...	...	1,199 lbs.
Fish	...	...	...	638 lbs.
Poultry	...	...	...	19 lbs.
Jams	...	...	...	29 lbs.
Fruit	...	...	...	30 lbs.
Cakes	...	...	...	30 lbs.
Cheese and Cheese Pairings	...	...	...	284 lbs.
Sausages	...	...	...	27 lbs.
Miscellaneous	...	...	...	20 lbs.
			Total	3,742 lbs.

All condemned foodstuffs were treated with disinfectant and disposed of by burial at the town refuse tip.

Atmospheric Pollution:

Number of observations made	30
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Smoke Measurement:

Number of visits made	960
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Infectious Disease Control:

Investigations and other visits made of Notified cases			21
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Miscellaneous:

Visits made in connection with interviews of property owners, agents, solicitors, contractors, and to other Departments of the Corporation	544
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Disinfections and Disinfestations:

Following infectious and other diseases	...	32
Following other conditions	...	19

Terminal disinfections are carried out following all cases of infectious diseases. Disinfections are also undertaken following all deaths from Tuberculosis, or after admission to sanatorium or hospital, or transfer or removal to other towns. On request, fumigations are also undertaken following deaths from other diseases.

The disinfection or disinfestation of any private dwelling houses or premises is undertaken, and charged for, otherwise advice is given.

The number of articles, mattresses, bedding, library books, etc., disinfected during the year was	...	263
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THE PUBLIC MORTUARY is under the supervision of the Department and subject to regular cleansing. The Department is also responsible for the maintenance of the equipment and clothing, etc., used in the post-mortem room.

Rodent Control:

The destruction of rats and mice is an important branch of the work of the Department.

A free service is afforded to owners and occupiers of private dwellings. A charge is made for treatment carried out in business and industrial premises, such as Corporation's Refuse Tip, River Banks. Maintenance and other treatments of the Town's sewers are also carried out.

Particulars of the work done for the year are as follows:-

	Local Authority	Dwelling Houses including Council Houses	Business Premises	Agricultural
	(1)	(2)	(3)	(4)
No. of properties inspected ...	28	678	41	Nil
No. of premises treated	24	468	10	Nil

One notice was served under Section 4 of the Prevention of Damage by Pests Act, 1949, which was complied with.

Shops Act, 1950:

The Public Health Inspectors are responsible for the enforcement of the Act, and it is pleasing to report no serious infringement.

Details of Notices Served:

(a) Public Health Act, 1936: Sections 92 and 93: (Abatement of Nuisances and Repairs to Property):	
No. of preliminary notices served	84
No. of preliminary notices complied with	71
No. of statutory notices served	4
No. of statutory notices complied with	2
(b) Llanelli Local Board Act, 1888: Section 57: (Provision of Efficient W.C. Flushing Apparatus):	
No. of preliminary notices served	25
No. of preliminary notices complied with	25
No. of statutory notices served	Nil
No. of statutory notices complied with	Nil
(c) Llanelli Corporation Act, 1929: (1) Section 43 - Defective Drains:	
No. of statutory notices served	56
No. of statutory notices complied with	56
(d) Food and Drugs Act, 1955: Food Hygiene (General) Regulations, 1960/1962: (Notice of Contravention of Act in respect of premises where Food is Sold or Stored):	
No. of preliminary notices served	17
No. of preliminary notices complied with	16
(e) Prevention of Damage by Pests Act, 1949:	
No. of preliminary notices served	1
No. of preliminary notices complied with	1
(f) Shops Act, 1950:	
No. of preliminary notices served	Nil
No. of preliminary notices complied with	Nil
(g) Factories Act, 1937:	
No. of preliminary notices served	1
No. of preliminary notices complied with	1
No. of statutory notices served	Nil
No. of statutory notices complied with	Nil
(h) Caravan Sites and Control of Development Act, 1960:	
No. of preliminary notices served	5
No. of preliminary notices complied with	5
(i) Offices, Shops and Railway Premises Act, 1963:	
No. of preliminary notices served	16
No. of preliminary notices complied with	2

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